

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-12 (Canceled)

13. (New) SYSTEM FOR MUSIC DIGITALIZATION, STORAGE, ACCESS AND LISTENING, comprising

- at least one digital local server (1) comprising large capacity storage means for storing a local database containing information related to at least one digitized CD and respective music tracks;
- at least one listening station (3) consisting of a plurality of hardware devices comprising a keyboard (11), a display (12), a bar-code reader (13) for identifying packaging associated with music CD's, an audio amplifier and a local network interface (8);
- a local network (4) interconnecting said at least one listening station to said at least one local music server,

wherein said local server (1) is provided with:

- listening station control software to control the operation of said listening station (3);
- local server maintenance software;

wherein said at least one listening station further comprises:

- a microcontroller (7) associated with a flash memory provided with a firmware for

controlling said plurality of hardware devices, and a random access memory (9) for storing digitized music blocks.

14. (New) System, according to claim 13, further comprising a remote server (1A) provided with data processing means and a large capacity storage means for storing a central database containing information related to at least one digitized CD and respective music tracks, said remote server being connected to said local server via a Wide Area Network -- WAN -- or via Internet (4A).
15. (New) System, according to claim 14, further comprising at least one digitizing station (2) connected with said remote server (1A) via a Wide Area Network -- WAN -- or via Internet.
16. (New) System, according to claim 13, further comprising at least one digitizing station (2) connected with said local server (1) via said local network (4).
17. (New) System, according to claim 13, wherein said listening station control software provided in said local server (1) comprises a function limiting the reproduction by at least one selected listening station (3) to previously specified CD's.
18. (New) System, according to claim 13, wherein said local server maintenance software provides at least one of the following functions:
 - the deletion of specified digitized tracks or CD's in the local server;
 - the updating of data related to CD's in the local server database;
 - the listing of contents of said database;
 - the generation of summaries reporting the changes made within a determined period of time in similar systems in other locations;

- the updating of the local system through changes originated in similar systems in other locations;
- the compilation of statistical data related to tracks and CD's accessed at each listening station during a determined period of time.

19. (New) System, according to claim 14, wherein said local server is provided with download software that provides the download from said remote server (1A) of at least one digitized CD, comprising its music files and related information, which has been requested at one of the listening stations (3) and which is not stored in the local server (1).
20. (New) System, according to claim 19, wherein said download is performed immediately after said request.
21. (New) System, according to claim 19, wherein said download is performed at a preset time, and comprises all the CD's which have been requested by one or more listening stations (3) in the local system within a period of time and are not stored in the local server (1).
22. (New) System, according to claim 14, wherein said local server is provided with a first statistic upload software that provides the transmission to said remote server (1A) of the statistic data concerning the utilization of said at least one listening station (3), compiled and stored by said local server (1).
23. (New) System, according to claim 15, wherein said digitizing station (2) is provided with a second upload software for updating the remote server (1A) with the information related to at least one digitized CD, and with the respective music tracks, said information

and the music tracks being previously stored in the local server (1) or in said digitizing station (2).

24. (New) System, according to claim 23, wherein said second upload software provides the immediate updating of the remote server (1A), as soon as a CD is digitized.
25. (New) System, according to claim 23, wherein said second upload software provides the updating of the remote server (1A) at a preset time after a CD is digitized.
26. (New) System, according to claim 24, wherein said second upload software provides said updating after checking that the information related to said digitized CD and the respective music tracks are not stored in said remote server (1A).
27. (New) System, according to claim 24, wherein said second upload software provides said updating regardless of the fact that the information related to said digitized CD and the respective music tracks are stored in said remote server (1A).
28. (New) System, according to claim 14, wherein it comprises remote server maintenance software providing at least one of the following functions:
 - the deletion of specified digitized music tracks in the remote server;
 - the updating of data related to CD's in the remote server database;
 - the listing of the contents of said database;
 - the generation of summaries reporting the changes made within a determined time period in similar systems in other locations;
 - the compilation of statistical data received from at least one local server.
29. (New) System, according to claim 28, wherein said remote server maintenance software is installed in said digitizing station (2).

30. (New) System, according to claim 28, said remote server maintenance software is installed in said local server (1).
31. (New) System, according claim 15, wherein said at least one digital local server (1) and said at least one digitizing station (2) are the same data processing equipment.
32. (New) System, according to claim 13, wherein said local network (4) connecting the various equipments is implemented by electrical conducting cables.
33. (New) System, according to claim 13, wherein said local network (4) connecting the various equipments is implemented by electromagnetic wave communication means.
34. (New) PROCESS FOR MUSIC ACCESS AND LISTENING, carried out by the system according to claim 13, wherein the listening of a music track at a listening station (3) consists of the sequential bidirectional interchange of information messages between a music listening station and a local server (1) by means of a local communication network (4), the process comprising the following steps:
- a) acknowledgment by said local server, of a connection request originating from a listening station and accepting said connection;
 - b) transmission by said local server to said listening station of initial configuration commands;
 - c) transmission by said local server to said listening station of a command enabling the input of a bar code in said listening station;
 - d) transmission of the bar code from said listening station to said local server;
 - e) searching at the local server database the data files correlated to said bar code;
 - f) upon detecting said data files in the local server, extracting from the local server

database the information associated with said CD and transmitting to said listening station (3) through the local network (4) commands for adjusting the sound volume and showing on the display of the listening station the information associated with the CD;

g) subdividing into blocks the file of the first music track of said CD and transmitting the first block through the local network (4) to said listening station together with a command for starting the song reproduction ;

h) upon reception of said first block and said command for starting reproduction at said listening station, decoding and starting the music reproduction;

i) awaiting the message from said listening station requesting the next block;

j) transmission by said local server of the following block of said music file upon reception of said request message;

k) upon reception of said following block at said listening station, decoding and reproducing the music;

l) repetition of steps from (i) to (k) until the end of the file.

35. (New) Process, according to claim 34, wherein in the absence of data files correlated to said bar code in said local server (1), said local server (1) sends a command to said listening station (3) for showing in its display a message informing the absence of a CD.

36. (New) PROCESS FOR DOWNLOADING DIGITIZED MUSIC FILES, carried out by the system according to claim 13, to download digitized music files to a local server (1) from a remote server (1A), said servers being connected by a wide area network – WAN – or the Internet, comprising the following steps:

- transmission of a query by said local server concerning the files of at least one digitized

music CD;

- searching whether said files are stored in the remote server;
- upon detecting said data files, extracting from said remote server the files related to said CD and transmitting them to said local server;
- reception of said files by the local server and updating the local server database.

37. (New) Process, according to claim 36, wherein said downloading is performed immediately upon confirmation of the existence of said file in the remote server.

38. (New) Process, according to claim 36, wherein said downloading is performed at a preset time.

39. (New) Process, according to claim 36, wherein said downloading comprises the downloading of several CD files, comprised in a list compiled in said local server within a period of time, said list comprising the requested CD's not available in said local server.

40. (New) Process, according to claim 36, wherein it is carried out by the process defined in claim 34 whenever the information related to the data files correlated to the bar code is not found in the local server database.

41. (New) PROCESS FOR MUSIC DIGITALIZATION AND STORAGE, carried out by the system according to claim 13, comprising the steps of:

- inserting an audio compact disc (CD) in the CD reader of a digitizing station (2);
- providing said additional information to the database which will refer to said CD's digitally encoded files, whenever there is additional information about the CD to be stored;
- digitally reading the first track of said CD, encoding it and storing it in a large capacity

storage means, the resulting file bearing identification data comprising the CD's bar code number and said track number;

- repeating the previous step for all the remaining tracks of said CD.

42. (New) Process, according to claim 41, wherein said additional information comprises the music title, the artist and the sales price of said CD.

43. (New) Process, according to claim 41, wherein said database consists of a database stored in storage means provided in said digitizing station.

44. (New) Process, according to claim 41, wherein said database consists of the local database stored in the storage means of said local server (1).

45. (New) Process, according to claim 41, wherein said database consists of the local database stored in the storage means of a remote server (1A).

46. (New) PROCESS FOR UPLOADING A REMOTE SERVER, carried out by the system according to claim 13, wherein it comprises the following steps:

- checking whether there is any CD digitized in the local server (1) or in the digitizing station (2);

- checking whether said digitized CD is not already stored in said remote server;

- upon detecting said digitized CD in said remote server, proceed with the upload and update said remote server database;

47. (New) Process, according to claim 46, wherein said uploading is performed immediately.

48. (New) Process, according to claim 46, wherein said uploading is performed at a preset time.